



# CITRUS MATURITY TEST RESULTS

Cooperating with the Florida Department of Agriculture & Consumer Services  
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Results of the first orange and grapefruit maturity tests for the 2008-09 season are listed below. Only regular bloom fruit was selected for these tests. Fruit was picked from trees of various ages throughout the five areas of the citrus growing region on September 2-3, 2008, and was weighed, juiced, and tested in the Florida Agricultural Statistics Service (FASS) test lab facility on September 4-5, 2008.

Over three-fourths of the white and colored grapefruit sample groves are located in the Indian River District while nearly 90 percent of the early-midseason orange sample groves are in the other four areas. Sample groves and trees remain relatively constant from season to season.

Acid levels are lower than observed in any of the past four seasons on oranges and white grapefruit, and orange ratios are higher. For colored grapefruit, acid is lower than the past three seasons and the ratio is higher.

Juice per box is higher for oranges and near the average of the past four seasons for grapefruit. Solids per box is greater for oranges and less for grapefruit.

Results on this page are averages for the State. The table on page two reports averages for the Indian River District separately from the other areas. The next monthly maturity and yield test results will be published in the forecast release on October 10, and will include late oranges.

## MATURITY AND YIELD TEST RESULTS: Unadjusted averages for regular bloom fruit from sample groves for crop years 2004-05 through 2008-09

Fruit type Crop year	Groves sampled	Acid	Solids (Brix)	Ratio	Juice per box	Solids per box
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>		<i>Pounds</i>	<i>Pounds</i>
<b>Early Oranges</b>						
September 1						
2004-05	120	1.62	9.31	5.85	42.42	3.95
2005-06	120	1.81	9.31	5.20	39.25	3.65
2006-07	120	1.70	9.45	5.66	42.50	4.00
2007-08	120	1.75	9.45	5.51	40.93	3.86
2008-09	120	1.45	9.25	6.51	46.91	4.34
<b>Midseason Oranges</b>						
September 1						
2004-05	54	1.80	9.02	5.11	42.00	3.79
2005-06	55	1.98	9.10	4.66	39.48	3.59
2006-07	55	1.81	9.29	5.25	42.81	3.98
2007-08	55	1.99	9.63	4.91	41.52	4.00
2008-09	55	1.66	9.00	5.49	45.09	4.06
<b>White Seedless Grapefruit</b>						
September 1						
2004-05	50	1.71	9.54	5.60	32.69	3.12
2005-06	50	1.77	9.91	5.61	29.61	2.93
2006-07	50	1.86	10.47	5.63	32.12	3.36
2007-08	50	1.94	10.17	5.30	30.64	3.11
2008-09	50	1.70	9.53	5.61	30.94	2.95
<b>Colored Seedless Grapefruit</b>						
September 1						
2004-05	50	1.67	9.74	5.84	33.69	3.28
2005-06	50	1.77	10.13	5.73	30.39	3.08
2006-07	50	1.85	10.43	5.64	32.04	3.33
2007-08	50	1.96	10.53	5.39	30.51	3.21
2008-09	50	1.70	9.79	5.80	32.52	3.18

**MATURITY TEST RESULTS: Averages by areas, 2008-09 season, September 1, 2008**

Fruit type	Groves sampled	Acid	Solids (Brix)	Ratio	Unfinished juice per box	Solids per box
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>		<i>Pounds</i>	<i>Pounds</i>
<b>ORANGES:</b>						
EARLY						
Indian River Dist.	9	1.40	9.34	6.79	46.79	4.36
Other Areas	111	1.45	9.24	6.48	46.92	4.34
MIDSEASON						
Indian River Dist.	11	1.72	9.15	5.35	42.68	3.91
Other Areas	44	1.64	8.97	5.52	45.69	4.10
<b>GRAPEFRUIT:</b>						
WHITE SEEDLESS						
Indian River Dist.	38	1.72	9.61	5.59	30.16	2.90
Other Areas	12	1.64	9.28	5.66	33.41	3.10
COLORED SEEDLESS						
Indian River Dist.	40	1.70	9.79	5.78	32.32	3.16
Other Areas	10	1.68	9.80	5.86	33.32	3.26

NOTICE: All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a .040 short strainer and standard 5/8-inch orifice tube. The beam settings are also identical to past tests and no restrictors are used.

